## SEQUENCE LISTING

SEQ ID NO: 1

Sequence Length: 1013

Sequence Type: Nucleic acid

Stranded nos: Single

Topology: Linear

Molecular Type: cDNA

GAATTCGGCA CGAG	GGATCT GG AT	G GCA TCT ACT	TCG TAT GAC TA	T TGC AGA 49
	Me	t Ala Ser Thr	Ser Tyr Asp Ty 5	r Cys Arg 10
GTG CCC ATG GAA	GAC GGG GAT	AAG CGC TGT	AAG CTT CTG CTG	GGG ATA 97
Val Pro Met Glu	Asp Gly Asp	Lys Arg Cys :	Lys Leu Leu Leu	Gly Ile 25
GGA ATT CTG GTG	CTC CTG ATC	ATC GTG ATT	CTG GGG GTG CCC	TTG ATT 145
Gly Ile Leu Val	Leu Leu Ile	Ile Val Ile 3	Leu Gly Val Pro 40	
ATC TTC ACC ATC	AAG GCC AAC	AGC GAG GCC	IGC CGG GAC GGC	CTT CGG 193
Ile Phe Thr Ile	Lys Ala Asn	Ser Glu Ala	Cys Arg Asp Gly 55	Leu Arg
GCA GTG ATG GAG	TGT CGC AAT	GTC ACC CAT	CTC CTG CAA CAA	GAG CTG 241
Ala Val Met Glu 60	Cys Arg Asn 65		Leu Leu Gln Glr 70	. Glu Leu
ACC GAG GCC CAG				
Thr Glu Ala Gln 75	Lys Gly Phe 80	Gln Asp Val	Glu Ala Gln Ala 85	A Ala Thr 90
TGC AAC CAC ACT				
Cys Asn His Thr	Val Met Ala 95	Leu Met Ala 100	Ser Leu Asp Ala	a Glu Lys 105
GCC CAA GGA CAA				
Ala Gln Gly Gln 110		. Glu Glu Leu 115	Glu Gly Glu Ile 120	
TTA AAC CAT AAG	CTT CAG GAC	GCG TCT GCA	GAG GTG GAG CG	A CTG AGA 433
Leu Asn His Lys . 125	Leu Gln Asp	Ala Ser Ala 130	Glu Val Glu Aro 135	-
AGA GAA AAC CAG				
Arg Glu Asn Glr 140	145	5	150	
CCC AGC TCC CAG				
Pro Ser Ser Glr		Ser Ala Ala		
155	160		165	170 AGCTGGCACA 582
GTG CTG CTG GGC				AGCIGGCACA 302
Val Leu Leu Gly	175	Led Led GIN	~ ~ ~	185
TCTTGGAAGG TCC			CAT TCCCTTGATC	
TGAGCGGGTC ATG				
TCTGGAGCAG GTCT				
ACCCAGGGCT GTCT				
CACCCTGAGA TTG	GCATGG GGTGC	CGGTGT GGGGGGC	ATG TGCTGCCTGT	TGTTATGGGT 882
TTTTTTTGCG GGG				
TCCTTTGAGG GAGA	AGCACCA CACCI	AAAAATT	AAAAAAAA AAA	
GGGCGGCCGC C				1013

SEQ ID NO: 2

Sequence Length: 379

Sequence Type: Nucleic acid

Topology: Linear

Molecular Type: cDNA

Sequence

ATG	GGA	TGG	AGC	TGT	ATC	ATC	CTC	TCC	TTG	GTA	GCA	ACA	GCT	AÇA	GGT	48
Met	Gly	Trp	Ser	Cys	Ile	Ile	Leu	Ser	Leu	Val	Ala	Thr	Ala	Thr	${ t Gly}$	
	•	-		-15					-10					-5		
GTC	CAC	TCC	GAC	ATC	CAG	ATG	ACC	CAG	AGC	CCA	AGC	AGC	CTG	AGC	GCC	96
Val	His	Ser	Asp	Ile	Gln	Met	Thr	Gln	Ser	Pro	Ser	Ser	Leu	Ser	Ala	
		-1	1				5					10				
AGC	GTG	GGT	GAC	AGA	GTG	ACC	ATC	ACC	TGT	AAG	GCT	AGT	CAG	GAT	GTG	144
Ser	Val	Gly	Asp	Arg	Val	Thr	Ile	Thr	Cys	Lys	Ala	Ser	Gln	Asp	Val	
	15	_				20					25					
			GTA													192
Asn	Thr	Ala	Val	Ala	Trp	Tyr	Gln	Gln	Lys	Pro	Gly	Lys	Ala	Pro	Lys	
30					35					40					45	
CTG	CTG	ATC	TAC	TCG	GCA	TCC	AAC	CGG	TAC	ACT	GGT	GTG	CCA	AGC	AGA	240
Leu	Leu	Ile	Tyr	Ser	Ala	Ser	Asn	Arg	Tyr	Thr	Gly	Val	Pro	Ser	Arg	
				50					55					60		
TTC	AGC	GGT	AGC	GGT	AGC	GGT	ACC	GAC	TTC	ACC	TTC	ACC	ATC	AGC	AGC	288
Phe	Ser	Gly	Ser	Gly	Ser	Gly	Thr	Asp	Phe	Thr	Phe	Thr		Ser	Ser	
			65					70					75			226
CTC	CAG	CCA	GAG	GAC	ATC	GCT	ACC	TAC	TAC	TGC	CAG	CAA	CAT	TAT	AGT	336
Leu	Gln	Pro	Glu	Asp	Ile	Ala	Thr	Tyr	Tyr	Cys	Gln			Tyr	Ser	
		80					85					90		_		070
			ACG													379
Thr	Pro	Phe	Thr	Phe	Gly			Thr	Lys	Val			Lys			
	95					100					105					

SEQ ID NO: 3

Sequence Length: 418

Sequence Type: Nucleic acid

Topology: Linear

Molecular Type: cDNA

Sequence

ATG	GAC	TGG	ACC	TGG	AGG	GTC	TTC	TTC	TTG	CTG	GCT	GTA	GCT	CCA	GGT	48
Met																
	-	-		-15					-10					-5		
GCT	CAC	TCC	CAG	GTG	CAG	CTG	GTG	CAG	TCT	GGG	GCT	GAG	GTG	AAG	AAG	96
Ala																
			1				5					10				
CCT	GGG	GCC	TCA	GTG	AAG	GTT	TCC	TGC	AAG	GCA	TCT	GGA	TAC	ACC	TTC	144
										Ala						
	15				_	20					25					

ACT	CCC	TAC	TGG	ATG	CAG	TGG	GTG	CGA	CAG	GCC	CCT	GGA	CAA	GGG	CTT	192
Thr	Pro	Tyr	Trp	Met	Gln	Trp	Val	Arg	Gln	Ala	Pro	Gly	Gln	$\mathtt{Gl}_{\mathbf{Y}}$	Leu	
30		-	_		35					40					45	
GAG	TGG	ATG	GGA	TCT	ATT	TTT	CCT	GGA	GAT	GGT	GAT	ACT	AGG	TAC	AGT	240
Glu	Trp	Met	Gly	Ser	Ile	Phe	Pro	Gly	Asp	Gly	Asp	Thr	Arg	Tyr	Ser	
	_			50					55					60		
CAG	AAG	TTC	AAG	GGC	AGA	GTC	ACC	ATG	ACC	GCA	GAC	AAG	TCC	ACG	AGC	288
Gln	Lvs	Phe	Lys	Gly	Arg	Val	Thr	Met	Thr	Ala	Asp	Lys	Ser	Thr	Ser	
	-		65	_	_			70					75			
ACA	GCC	TAC	ATG	GAG	CTG	AGC	AGC	CTG	AGA	TCT	GAG	GAC	ACG	GCC	GTG	336
Thr	Ala	Tvr	Met	Glu	Leu	Ser	Ser	Leu	Arg	Ser	Glu	Asp	Thr	Ala	Val	
		80					85					90				
TAT	TAC	TGT	GCG	AGA	GGA	TTA	CGA	CGA	GGG	GGG	TAC	TAC	TTT	GAC	TAC	384
Tvr	Tvr	Cvs	Ala	Arg	Gly	Leu	Arg	Arg	Gly	Gly	Tyr	Tyr	Phe	Asp	$\mathtt{T}\mathtt{yr}$	
-1 -	95	- 4		_	_	100	_				105					
TGG		CAA	GGG	ACC	ACG	GTC	ACC	GTC	TCC	TCA	G					418
				Thr												
110	1		2		115					120						

SEQ ID NO: 4

Sequence Length: 418

Sequence Type: Nucleic acid

Topology: Linear

Molecular Type: cDNA

Sequence

ATG	GAC	TGG	ACC	TGG	AGG	GTC	TTC	TTC	TTG	CTG	GCT	GTA	GCT	CCA	GGT	48
Met	Asp	Trp	Thr	Trp	Arg	Val	Phe	Phe	Leu	Leu	Ala	Val	Ala	Pro	Gly	
				-15					-10					-5		
GCT	CAC	TCC	CAG	GTG	CAG	CTG	GTG	CAG	TCT	GGG	GCT	GAG	GTG	AAG	AAG	96
Ala	His	Ser	Gln	Val	Gln	Leu	Val	Gln	Ser	Gly	Ala		Val	Lys	Lys	
		-1	1				5					10				1 4 4
CCT	GGG	GCC	TCA	GTG	AAG	GTT	TCC	TGC	AAG	GCA	TCT	GGA	TAC	ACC	TTC	144
Pro	Gly	Ala	Ser	Val	Lys		Ser	Cys	Lys	Ala		Gly	Tyr	Thr	Phe	
	15					20					25		~	~~~	C III III	192
ACT	CCC	TAC	TGG	ATG	CAG	TGG	GTG	CGA	CAG	GCC	CCT	GGA	CAA	GGG	CTT	192
Thr	Pro	Tyr	$\mathtt{Trp}$	Met		Trp	Val	Arg	Gln	Ala	Pro	GIĄ	GIn	GTĀ	ьеu 45	
30					35				~- ~	40	~3 m	1.CM	3.00	ma C		240
GAG	TGG	ATG	GGA	TCT	ATT	TTT	CCT	GGA	GAT	GGT	GAT	ACT	AGG	TAC	AGI	240
Glu	Trp	Met	Gly		Ile	Phe	Pro	GTĀ		Gly	Asp	THE	Arg	90 131	Ser	
				50				3 ma	55	CCA	CAC	220	TCC		AGC	288
CAG	AAG	TTC	AAG	GGC	AGA	GTC	ACC	ATC	AUU	GCA	V an	Trro	202	Thr	Ser	200
Gln	Lys	.Phe		GTA	Arg	Val	Thr	70	Thr	Ala	Asp	цуз	75	1111	Der	
			65	~1.	ama	3.00	3.00		אמא	mcm	CAC	CAC	_	GCC	GTG	336
ACA	GCC	TAC	ATG	GAG	CTG	AGC	AGC	Tan	AGA	202	Clu	Aen	Thr	Δla	GTG Val	
Thr	Ala	B0	Met	GIU	Leu	ser	ser 85	ьeu	Arg	Ser	Giu	90	1111	2114		
m v m	ሞአረ		ccc	λCλ	CCA	στη Δ		CGA	GGG	GGG	TAC	TAC	TTT	GAC	TAC	384
TWI	TAC	Crrc	31a	Ara	Glaz	T.011	Ara	Ara	Glv	Glv	Tvr	Tvr	Phe	Asp	Tyr	
тĀТ	95		VIG	ALG	GLY	100		9		0-1	105	- 4		-	_	
тсс			ccc	ACC	ACG			GTC	TCC	TCA	G					418
										Ser						
110	_	U-11	·1		115					120						